

ABSTRACT

To improve the operation of robots in installations reprogramming and emptying an operating sequence to be performed by them, the invention provides a method and a device for visualizing computer-assisted information in an image of the real environment on a viewing device, in which there is a determination of the position and orientation or pose of the image receiving device and that robot-specific informations corresponding to this determination are faded over the image of the real environment on the viewing device.

LIST OF REFERENCE NUMERALS

1	Device
1.1	Viewing device
1.2	Camera
1.3	Spectacle lenses
1.4	Cable
2	Manual programmer
2.1	Movement keys
2.2	6D mouse
2.3	Screen
3	Sensor system
3.1	Stationary receiving system
3.2	Input element
4	User
4.1, 4.1'	Hand
4.1a	Virtual hand
5	Processing unit
5.1	Image generating unit
5.2	Manipulating unit
6	Robot control
7	Robot
7'	Further position
7.1 - 7.3	Cooperating robots
7.1' - 7.3'	Operating area
7a	Base
7b	Hand flange
8	Workpiece
8'	Simulated workpiece
P1-P6	Path points
AO, AO'	Augmented space object